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information from the information carrier; and [including]
[verification] means for verifying the relationship between
the second bit pattern and the first bit pattern.

2. (thrice amended) The system of claim 1, in which the
relationship includes a cryptographic [one-way] function.

3. (thrice amended) The system of claim 2, in which the [second
bitpattern is generated by applying] relationship includes a one-
way function [to the first bitpattern].

4. (twice amended) The system of claim 1, in which the second
bitpattern identifies the encoder means.

5. (thrice amended) A recorder [for recording information on an
information carrier having a medium mark representing a first
bitpattern, the recorder] comprising:

[generator] means for generating a second bitpattern
according to a predefined relationship to [the] a first
bitpattern represented on a record carrier by a medium mark; and
encoder means for embedding a watermark representing the
second bitpattern in [the] user information to be recorded; and
means for recording the watermarked user information on the
record carrier.

6. (thrice amended) The recorder of claim 5, in which:
the recorder further comprises marking means for [creating]
writing the medium mark on the information carrier; and
the [generator] generating means [includes means for
generating] generate the first bitpattern from a seed according
to a further predefined relationship.

7. (thrice amended) The recorder of claim 5, in which the
[generator] generating means generate the first bitpattern by
combining a first part represented by a prepressed mark on a

recordable information carrier and a second part generated from the seed.

8. (twice amended) The recorder of claim 6, in which the further predefined relationship includes a cryptographic one-way function.

9. (twice amended) An information carrier comprising:
a medium mark representing a first bitpattern; and
recorded information including a watermark representing a second bitpattern having a predefined relationship to the first bitpattern.

10. (twice amended) The information carrier of claim 9, in which the first bitpattern includes:

a first part identifying a source of the information carrier; and

a second part identifying the recorded information.

11. (thrice amended) A player comprising:

means for reproducing user information from a record carrier;

first means for [detecting] reading a medium mark representing a first bitpattern [in information reproduced] from [a] the record carrier;

[watermark read] second means for detecting a second bitpattern represented by a watermark in the reproduced user information; and

verification means for verifying a predefined relationship between the second bitpattern and the first bitpattern.

12. (twice amended) The player of claim 11, in which the verification means includes a cryptographic one-way function.

13. (thrice amended) The player of claim 12, in which:

the verification means [are arranged for generating] generate a verification pattern by applying a one-way function to the first bitpattern; and

the verification means [include means for comparing] compare the verification pattern and the second bitpattern in order to verify the predefined relationship.

14. (twice amended) The system of claim 1, in which:

the relationship includes a [cryptographic] one-way function.

the [second bitpattern is generated by] relationship includes [applying the] a cryptographic [one-way] function [to the first bitpattern]; and

the second bitpattern identifies the encoder means.

15. (twice amended) The recorder of claim 5, in which:

[the recorder further comprises means for recording the watermarked information on the record carrier;]

the recorder further comprises means for reading from a record carrier a first bit pattern indicating a copy protection status of the record carrier;

the [predefined] relationship includes a cryptographic [one-way] function;

the [second bitpattern is generated by applying the] relationship includes a one-way function [to the first bitpattern];

the second bitpattern identifies the encoder means;

the recorder further comprises marking means for [creating] writing the medium mark on the information carrier;

the generator means [include means for generating] generate the first bitpattern from a seed according to a further predefined relationship; and

the generator means are arranged for generating the first bitpattern by combining a first part represented by a prepressed mark on a recordable information carrier and a second part

generated from the seed [;].

16. (twice amended) The information carrier of claim 9, in which:

the relationship includes a cryptographic [one-way] function [that when applied to the first bitpattern, reproduces the second bit pattern];

the relationship includes a one-way function; and
the second bitpattern identifies the encoder means.

17. (twice amended) The player of claim 12, in which:

[the player further comprises means for reproducing recorded information from a record carrier;]

the relationship includes a cryptographic one-way function;
the relationship includes a one-way function [is applied to the second bit pattern in a process to reproduce the first bitpattern]; and

the second bitpattern identifies the encoder means.

18. (amended) The system of claim 1 in which the medium mark is [written onto a master disk] pressed in the record carrier during manufacture [of the disk].

Please add the following new claim:

19. The system of claim 1 in which the watermarked user information is stored on the record carrier in a different manner than the medium mark is stored, the user information writing means being insufficient for writing the medium mark on the record carrier.